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Scalable Motion Image System

Abstract

A scalable motion image compression system for a digital motion image signal

5   having an associated transmission rate. The scalable motion image compression system

includes a decomposition module for receiving the digital motion image signal,

decomposing the digital motion image signal into component parts and sending the

components. The decomposition module may further perform color rotation, spatial

decomposition and temporal decomposition. The system further includes a compression

10   module for receiving each of the component parts from the decomposition module,

compressing the component part, and sending the compressed component part to a

memory location. The compression module may perform sub-band wavelet compression

and may further include functionality for quantization and entropy encoding.